

## OPERATION

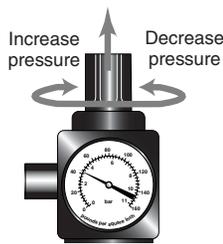
### To Start Loading

- 1 Adjust the demand sensor(s).** This should be done with compressed air OFF, no material in the drum or at the source and power on to the CAML-EV control.
- 2 Fill the material source.** Make sure all hoses and air lines are secure.
- 3 Turn on compressed air and adjust pressure.**  
Lift the air regulator knob and turn to set pressure at 68 PSI or higher. Push knob down to lock.
- 4 Press the ON switch** to turn on the loader.
  - ◆ The ON/OFF switch lights up.
  - ◆ The compressed air solenoid opens and air flows to the material transfer device, if there is a material demand.
  - ◆ Material flows through the inlet into the drum; air exhausts through the drum cover.

**IMPORTANT:** If the sensor in the drum is plugged directly into the optional alarm instead of the CAML-EV control, the loader will not stop loading automatically when the drum is full. As soon as a drum fills, replace it with an empty one. Do not allow drums to overfill. Material could back up into the material source.

### To Adjust Material Flow

- 1 Readjust air pressure.**
  - To increase material flow, increase air pressure.
  - To decrease material flow, decrease air pressure. You may be able to conserve air by decreasing pressure to as low as 30 PSI.



### To Stop Loading

- 1 Press the OFF switch.**  
Be sure to turn off the compressed air before servicing or cleaning.

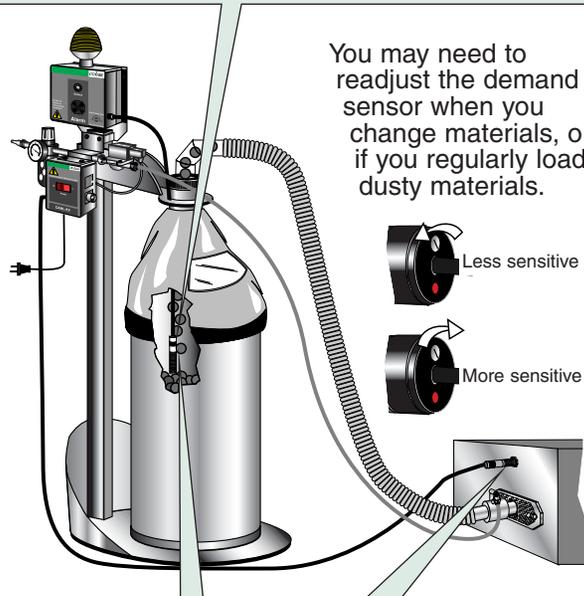


### Adjusting a demand / alarm sensor in the drum:

When a demand sensor in the drum is plugged into the CAML-EV control:

The LED light should be OFF when material is present.

- 1** Turn the adjustment screw counterclockwise until the LED light comes on. Then continue an additional quarter turn.



You may need to readjust the demand sensor when you change materials, or if you regularly load dusty materials.

### Adjusting separate demand and alarm sensors:

When there is a demand sensor at the material source, and an optional alarm sensor in the drum:

The LED lights should be ON when material is present.

- 1** Hold a clear plastic bag of material in front of the sensor face, and turn the adjustment screw clockwise until the LED light comes on.
- 2** Move the bag of material away from the sensor face. If the LED light turns off, stop. If the LED light stays on, continue to step 3.
- 3** Turn the screw counterclockwise until the light goes off. Continue a quarter turn.



## TROUBLESHOOTING

### Loader will not cycle

Are all electrical connections correct?

- CAML-EV control is plugged into a power source. If the control is plugged in but not receiving power, check the control fuse. Replace fuse, if necessary.
- Sensor connected to CAML-EV control.

Is the demand sensor adjusted correctly?

Adjust sensitivity of the demand sensor.

### No Material Flow

Do you have enough material at the source?

Fill the bin you want to move material from.

Is material flowing to the pickup device?

Check for obstructions at the pickup device inlet. Make sure material surrounds the inlet. If material obstructs or bridges the inlet, clear the obstruction.

Are all compressed air and hose connections correct?

- Air regulator is connected to compressed air source.
- Flexible hose is clamped securely to the CAML-EV inlet and to the Material Transfer Device.
- Material Transfer Device is connected to compressed air source and installed with the - toward the pickup device and the + toward the flexible conveying hose.

Has the Material Transfer Device lost compressed air?

- Check compressed air pressure. Adjust if necessary.
- Check the air solenoid. Replace if necessary.

### Poor material conveying rate

Is the air pressure too low?

Check the air pressure. Increase, if necessary.

Are the filters dirty?

- Clean or replace the exhaust filter/drum cover.
- Drain water from the compressed air filter.

Is there a compressed air leak?

- Check condition of hoses, compressed air lines and clamps or fittings. Verify they are securely fastened. Replace, if worn or damaged.

### Material over filling

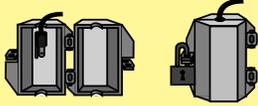
Is the sensor in the drum adjusted correctly?

- Lower the sensor level in the drum.
- Increase sensitivity of the demand sensor in the drum.

## MAINTENANCE

### CAUTION: Disconnect power

Always disconnect the loader from the main power source and lock out before cleaning or servicing.



### CAUTION: Disconnect air

Always disconnect the loader from the compressed air source before cleaning or servicing.

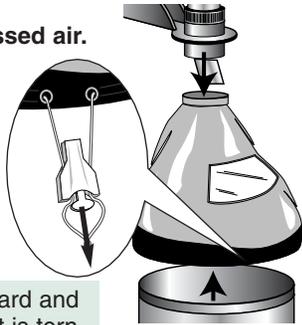
## Clean Exhaust Filter Regularly

**1** Turn off the loader. Disconnect and lock out the power source.

**2** Turn off the compressed air.

**3** Loosen the exhaust filter string and remove the filter.

**4** Clean the filter. Use a vacuum cleaner to remove dust or fines.



**IMPORTANT:** Discard and replace any filter that is torn or displays excessive wear.

**5** Reassemble.

Make sure the elastic band at the top of the filter fits snugly around the flared outlet tube collar. Tighten the string to secure the bottom of the filter to the top of the drum.

## Drain Compressed Air Filter Regularly

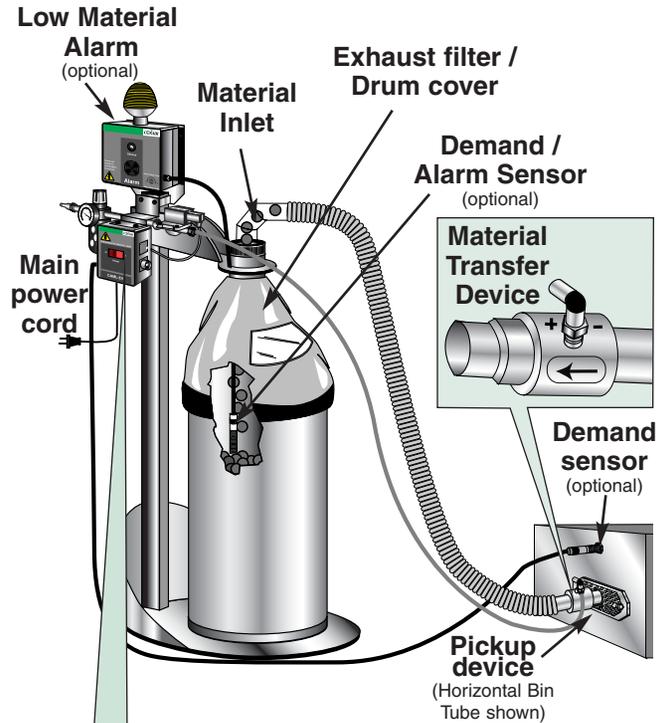
Purge water from the air filter by turning the button on the bottom of the filter chamber.



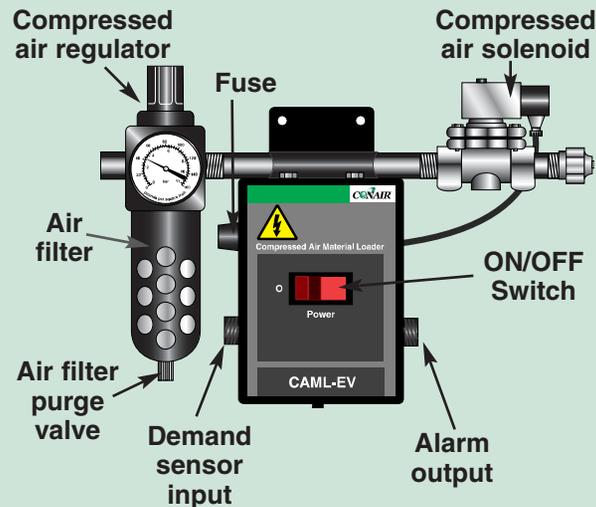
## Check hoses and fittings monthly

- Tighten loose hose and compressed air fittings.
- Replace damaged or excessively worn hoses, compressed air lines or fittings.

## FEATURES



## CAML-EVB CONTROL

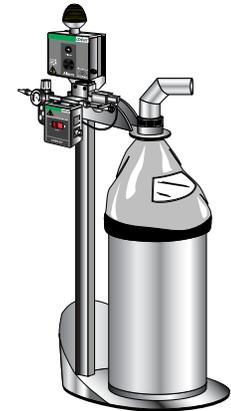


## Quick Card

# CAML-EVB

Compressed Air  
Material Evacuation  
System

*Basic  
Operation  
Maintenance  
Troubleshooting*



**CONAIR™**

The Conair Group, Inc.  
One Conair Drive  
Pittsburgh, PA 15202  
Phone: (412) 312-6000  
Fax: (412) 312-6227

*Instant Access  
Parts & Service:  
(800) 458-1960  
(814) 437-6861*

[www.conairnet.com](http://www.conairnet.com)

QCC001/0301 © 2001